PTO/S8/05 (08-00) (modified)
Approved for use through 9/30/2001, OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## **NEW UTILITY** PATENT APPLICATION

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Attorney Docket Number	23085-07128
First Named Inventor	Ming-Hsuan Yang
Title	Extended Isomap Using Fisher Linear Discriminant and Kernel Fisher Linear Discriminant
Express Mail Label No.	EV 229200277 UC

PATENT APPLICATION		Trist Named Inventor	Willig-I Isuaii	villig-i isuait i alig		
	ANSMITTAL nonprovisional applications under	Title	Extended Isomap Using Fisher Lin Discriminant and Kernel Fisher Lin Discriminant			
	37 CFR 1.53(b))	Express Mail Label No.	EV 3383002	77 US		
APP	LICATION ELEMENTS	ACCOMPANY	CATION PARTS			
. =	mittal Form (in duplicate) claims small entity status. FR 1.27	<del></del>	y of Priority Do	theet & document(s)) cument(s) (if foreign priority		
3. Specification	on Total Pages 39	9. Power of Atto	rney or Author	ization of Agent		
<ul> <li>Descriptive</li> <li>Cross Refe</li> <li>Statement</li> <li>Backgroun</li> <li>Brief Sumr</li> </ul>	ment set forth below) a Title of the Invention prence(s) to Related Case(s) Regarding Fed sponsored R & D d of the Invention nary of the Invention pription of the Drawing(s) escription	13. Nonpublication	mendment isclosure State opies of IDS C in Request und	ler 35 U.S.C. 122		
<ul><li>Claim or C</li></ul>	taims		B)(i), Applican BB/35 or its eq	t must attach form uivalent		
Abstract of	the Disclosure	14. 🛛 Return Pos	stcard			
4. Drawing(s)	) (35 U.S.C. 113) Total Sheets 9	15. Copy of doc Under 37 Cl		"Limited Recognition		
b. Copy fro (for continue i. DEL Sign nam		16				
<ol><li>Application</li></ol>	Data Sheet. See 37 CFR 1.76	ADDRES	S TO:			
Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No: /  Prior application information: Examiner: Group/Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
19. CORRESPONDENCE ADDRESS						
Customer Number and Bar Code Label  00758						
Name (Print/Type)	Jae Won Song	Registration No. (Attorn	ey/Agent)	37 C.F.R. §10.9(b)		
Signature	Julian Sung		Date	July 16, 2003		

PTO/SB/17 (10-02) (Modified)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FFF TDANCMITTAL	Complete if Known				
FEE TRANSMITTAL	Application Number	Unassigned			
f TV 0000	Filing Date	Herewith			
for FY 2003	First Named Inventor	Ming-Hsuan Yang			
Patent fees are subject to annual revision.	Examiner Name	Unassigned			
Applicant claims small entity status. See 37 CFR 1.27	Art Unit	Unassigned			
TOTAL AMOUNT OF PAYMENT \$ 1,624.00	Attorney Docket No.	23085-07128			

METHOD OF PAYME	NT (check all that apply)				F	EE CALCULATION (continued)	
□ Check    □ Credit Card    □     □ Deposit Account:	Money Order  Other  None	3. AE	DITION	AL FEE	s		
Deposit Account Number	19-2555	<u>Large</u>	Entity	Small	Entity	Fee Description	Fee Paid
Deposit Account Name	Fenwick & West LLP	Fee Code	Fee (\$)	Fee Code	Fee (\$)		
	orized to: (check all that apply) below Credit any overpayments	1051 1052	130 50	2051 2052	65 25	Surcharge - late filing fee or oath Surcharge - late provisional filing fee or cover sheet	
Charge any additional fe application	e(s) during the pendency of this	1053 1812	130 2,520	1053 1812	130 2,520	Non-English specification  For filing a request for ex parte reexamination	
Charge fee(s) indicated the above-identified depo	below, except for the filing fee to osit account.	1804 1805	920* 1,840*	1804	920* 1,840*	Requesting publication of SIR prior to Examiner action Requesting publication of SIR after Examiner action	
FEE CA	ALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE		1252	410	2252	205	Extension for reply within second month	
Large Entity Small Entity		1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee	Fee Description Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
Code (\$)   Code (\$)	<u></u>	1255	1,970	2255	985	Extension for reply within fifth month	<u> </u>
1001 750 2001 375	Utility filing fee 750.00	1401	320	2401	160	Notice of Appeal	
1002 330 2002 165	Design filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1003 520 2003 260	Plant filing fee	1403	280	2403	140	Request for oral hearing	ļ I
1004 750 2004 375	Reissue filing fee	1451	1,510	1	1,510	Petition to institute a public use proceeding	
1005 160 2005 80	Provisional filing fee	1452	110	2452	55	Petition to revive - unavoidable	l
SUBTO	FAL (1) \$ 750.00	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES	FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fee (or reissue)	
Extr	a Claims Fee from Fee Paid	1502	470	2502	235	Design issue fee	1
Tatai Claims 43 -20**=	23 × 18 = 414.00	1503	630	2503	315	Plant issue fee	
Claims 8 3 * 3 * 1	5 × 84 = 420.00	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent	· · · · · · · · · · · · · · · · · · ·	1807	50	1807	50	Processing fee under 37 CFR 1.17(g)	
Large Entity Small Entity		1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Fee Fee Code (\$)	Fee Description	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9	Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1201 84 2201 42	Independent claims in excess of 3	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1203 280 2203 140	Multiple dependent claim, if not paid	1801	750	2801	375	Request for Continued Examination (RCE)	
1204 84 2204 42	**Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination of a design application	
1205 18 2205 9	**Reissue claims in excess of 20 and over original patent	Other f	ee (specif	y)			
SUBTO1	FAL (2) \$834.00 greater; For Reissues, see above	*Reduc	ed by Basio	c Filino F	ee Paid	SUBTOTAL (3)	40.00
- number proviously parts, it	g. 55, 67, 77, 71, 116, 15, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16	1.6000	au by basi	e i illing E	OF FAIL		

SUBMITTED BY Complete (if applicable)							
Name (Print/Type)	Jae Won Song	Registration No. (Attorney/Agent)	37 C.F.R.	§10.9(b)	Telephone: (650) 335-7164		
Signature	In Works	2		Date	July 16, 2003		